ATRIBUTION

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1. In-class exercise working with Chord
ACTIVITY
Form groups of 2-3
• Chord network w/ 4-bit identifiers
  • \[0, 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F\]
  • Using SHA-256 hash function

• Six servers
  1. ieng6-202
  2. ieng6-242
  3. ieng6-246
  4. www
  5. www1
  6. mail

1. Setup “base” successor pointer chain
2. For each of the terms on the board, indicate which server is responsible
3. For each server, define the finger table
4. For each lookup on the board, write out the lookups/network transfers required to find the data
Key is stored at its successor: node with next-higher ID
“FINGER TABLE” ALLOWS LOG N-TIME LOOKUPS
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